

Sustainable Development Summer School

**UNDESA, UNDP, ICTP, WBG, ESMAP, UNECA, UKAID, OpTIMUS, KTH,
High-level meeting and strategic discourse
Trieste, 27-28 June 2019**

The Joint Summer School on Modelling Tools for Sustainable Development is an annual event to promote quantitative analysis in support of policy formulation for national strategies towards achievement of the 2030 Development Agenda and the Sustainable Development Goals (SDGs). It has the twin aims of strengthening in-country capacity to incorporate model-based analysis into the policy formulation process and serve as a platform for dialogue among stakeholders from governments, academia and the international development community. At the culmination of the summer school, a high-level meeting and a strategic discourse, is organized to discuss progress made to date and the way forward to best support the incorporation of quantitative methods into national decision making processes for sustainable development.

The meeting is hosted and supported by the Abdus Salam International Center for Theoretical Physics (UNESCO), www.OpTIMUS.community, KTH, UK aid, WBG, ESMAP, UNDESA, UNDP, UNECA and others. It follows a summer school that starts on the 10th of June. The Strategic Dialogue will include presentations from selected country participants of that school, who will use examples of the latest available open source computer models to simulate integrated national development pathways.

A complementary event as part of the international Roundtable Initiative on Strategic Energy Planning will be held on the afternoon of the 28th of June and organized by the Energy and Economic Growth (EEG) program, funded by the UK Department for International Development (DFID).

Pre-events on the afternoon of the 26th of June include partnership focus groups for the uptake of the soon-to-be-launched Global Electrification Platform (GEP). In the evening of the 26th there will be an agreement signing ceremony for the continuation of the SDSummerSchool at the ICTP as well as a preview of the GEP which is anticipated to bring a step change in electrification planning.

**Pre-events to the high-level meeting:
Global Electrification Platform Partnership meeting**

Wednesday, June 26
Location: Adriatico Guest House, ICTP

TBD	The open source interoperable Global Electrification Platform (GEP) Technical and operational partnerships
14:30-15:30	Focus group 1: Technical advances - interoperability, data and model sharing Lundqvist Lecture Hall. Adriatico Building
16:00-17:00	Focus group 2: Outreach activities - annual outlooks and country engagement Lundqvist Lecture Hall. Adriatico Building
18:30-20:00	Drinks and Reception, start of the HLM - wrap up of the Summer School Component
	Adrian Tompkins , Research Scientist, Earth System Physics, International Center for Theoretical Physics (ICTP)
	Chiara Rogate , Energy Specialist, ESMAP World Bank Group
	Uyanga Gankhuyag , United Nations Development Program (UNDP)
	Certificate ceremony
	Holger Rogner , Director, the OptIMUS community <ul style="list-style-type: none"> ● Close of the SD SummerSchool component
	Thomas Alfstad , Adviser for Sustainable Development Strategies, United Nations Department of Economic and Social Affairs (UNDESA) <ul style="list-style-type: none"> ● Opening of the High Level Meeting and Strategic Dialogue

**High-level meeting:
Modelling tools to inform national sustainable development policies**

Thursday, June 27

Location: Budinich Lecture Hall, Leonardo building, ICTP

09:00-09:10	Welcoming and Opening Remarks
	George Thompson , Acting Division Director, Programmes Division, International Center for Theoretical Physics (ICTP)
	Thomas Alfstad , Adviser for Sustainable Development Strategies, UNDESA
09:10-10:00	Communities, tools, co-creation and capacity building Chair: Mark Howells , KTH-Royal Institute of Technology, Sweden
	Holger Rogner , Director the OpTIMUS community <ul style="list-style-type: none"> Open Tools Integrated Modelling and Upskilling for Sustainable Development
	Chiara Rogate , Energy Specialist, ESMAP, World Bank Group <ul style="list-style-type: none"> SDG 7 Access - Reinforcing country relevance and capacity development and the Global Electrification Platform
	Ilse Berdellans-Escobar , Planning and Economics Studies Section, International Atomic Energy Agency (IAEA) <ul style="list-style-type: none"> Capacity building for nationally owned sustainable energy development
	Thomas Alfstad , Adviser for Sustainable Development Strategies, UNDESA <ul style="list-style-type: none"> Capacity building for integrated resource policy (CLEWs)
	<i>Discussion</i>
10:00 - 10:30	Coffee Break
10:30-11:10	Global Modelling and regional investment needs for Sustainable Development Chair - Magda Moner , Joint Research Centre, European Commission
	Daniel Russo , International Renewable Energy Agency (IRENA) <ul style="list-style-type: none"> Insights from a renewable energy perspective
	Arthur Contejean , International Energy Agency (IEA) <ul style="list-style-type: none"> Insights from the World Energy Outlook
	Dimitrios Mentis (<i>remote?</i>), World Resources Institute (WRI) <ul style="list-style-type: none"> A mapping platform to connect SDG 7 to sustainable development solutions

	<i>Discussion</i>
11:10-11:50	Improving the efficacy of sustainable development planning and partnerships Chair – Francesco Fuso Nerini , KTH-Royal Institute of Technology, Sweden
	Holger Rogner , Director of the OptIMUS community of practice <ul style="list-style-type: none"> • What do governments need to know? Decades of planning partnership
	Luca Petrarulo , Oxford Policy Management (OPM), UK <ul style="list-style-type: none"> • Principals to improve the efficacy of planning
	Nicolina Lindblad , Energy Access Consultant, World Bank <ul style="list-style-type: none"> • The experience of the SDSummerSchool and EMP-Africa
	<i>Discussion</i>
11:50-13:00	Outcomes of the 2019 Summer School: Selected presentations from participants Chair - Vignesh Sridharan , KTH-Royal Institute of Technology, Sweden
	An electrification strategy of Afghanistan <ul style="list-style-type: none"> • Sulaiman Fayez, Kabul Polytechnic University, Afghanistan
	An energy and climate mitigation strategy of Mongolia <ul style="list-style-type: none"> • Uyanga Gankhuyag, United Nations Development Program (UNDP)
	Developing an R4IA2 Data Management Program for Ghana <ul style="list-style-type: none"> • Frank Yeboah Dadzie, Ministry of Energy, Ghana
13:00 - 14:30	Lunch
14:30-15:00	Providing analysis and evidence in support of sustainable development policies: MENA and central asia perspectives Chair: Elhadj Ezzahid Mohammed V University of Rabat, Morocco
	Sulaiman Fayez , Kabul Polytechnic University, Afghanistan <ul style="list-style-type: none"> • Challenges to overcome and lessons for others
	Osama Saadeh , German Jordanian University (GJU) Jordan <ul style="list-style-type: none"> • Initiatives to grow and house local knowledge
	Eric Williams , KAPSARC Saudi Arabia <ul style="list-style-type: none"> • A regional hub in a growing community of practice
15:00-15:30	Providing analysis and evidence in support of sustainable development policies: African perspectives Chair: Kasolo Nickson , Rural Electrification Agency, Uganda

	<p>Samba Sesay, University of Sierra Leone</p> <ul style="list-style-type: none"> Developing a graduate program in energy investment modelling
	<p>Mamahloko Senatla (<i>remotely</i>), The Council for Scientific and Industrial Research, South Africa</p> <ul style="list-style-type: none"> Building a center of scientific excellence in energy to promote development
	<p>Salisu Rabi Isihak, Rural Electrification Agency, Nigeria</p> <ul style="list-style-type: none"> The need for knowledge sharing and building capacity
15:30 -16:00	Coffee Break
16:00-16:30	<p>Providing analysis and evidence in support of sustainable development policies: Insights from Asia Chair - Mark Howells, KTH-Royal Institute of Technology, Sweden</p>
	<p>Uyanga Gankhuyag, United Nations Development Program (UNDP)</p> <ul style="list-style-type: none"> Regional needs, challenges and opportunities
	<p>Anjana Das, VITO formally Energy Modelling Unit, Indian Planning Commission, Ministry of Planning, the Government of India</p> <ul style="list-style-type: none"> Bridging the gap between Europe and Asia
	<p>Sana Zulfiqar, Fatima Jinnah Women University, Pakistan</p> <ul style="list-style-type: none"> Ensuring access to appropriate skills
16:30-17:00	<p>Providing analysis and evidence in support of sustainable development policies: Insights from Latin America Chair: Eunice Pereira Ramos, Royal Institute of Technology, Sweden</p>
	<p>Verónica Perna MIEM (Ministry of Industry, Energy and Mining), Uruguay</p> <ul style="list-style-type: none"> The energy transition in Uruguay
	<p>Adriana Marques, Federal Institute of Education, Science and Technology of São Paulo, Brazil</p> <ul style="list-style-type: none"> Scaling analysis, education for local development
17:00-17:30	<p>Providing analysis and evidence in support of sustainable development policies: Insights from North America and Europe Chair Taco Niet, SFU, Canada</p>
	<p>Chip Friley, Consultant formally Brookhaven National Lab and energy modelling lead for the US DOE, USA</p> <ul style="list-style-type: none"> Running a national energy modelling process to support decision making
	<p>Ioannis Kougias, Joint Research Centre, European Commission</p> <ul style="list-style-type: none"> Building a bridge between northern research advances and southern needs

	<p>Paolo Carnevale, Fondazione Eni Enrico Mattei (FEEM), Italy</p> <ul style="list-style-type: none"> A new approach for Africa: Research, Partnerships, networking and knowledge dissemination
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<p>Strategic discourse: Providing appropriate, effective and transferable tools to country stakeholders</p>
<p>Friday, 28 June Location: Budinich Lecture Hall, Leonardo building, ICTP</p>

08:30 - 09:10	<p>Real-world relevance and academic excellence of open toolkits and methods: Developing a global curricula Chair: Alexandros Korkovelos, Royal Institute of Technology, Sweden</p>
	<p>Adrian Tompkins, Earth System Physics, International Center for Theoretical Physics</p> <ul style="list-style-type: none"> The need for an open source, accessible ecosystem
	<p>Tim Sutton (<i>remotely</i>), Kartoza and Q-GIS</p> <ul style="list-style-type: none"> Open source software and data management for excellence
	<p>Fernando de Cuadra García, Universidad Pontificia Comillas</p> <ul style="list-style-type: none"> Academics and science for development - what is needed
09:10-10:00	<p>Participant Reflection: what was good and what is still needed in the summer school</p>
	<p>Chair: Taco Niet, Simon Fraser University (SFU), Canada</p>
	<p>Selected Participant Reflections in open discussion from MENA, Asia-Pacific, Africa and Latin America</p>
10:00 - 10:30	<p>Coffee Break</p>
10:30-11:10	<p>Donor, organiser and UN Reflection: how to make the effort sustainable Chair: Ryan Hogarth, Oxford Policy Management (OPM), UK</p>
	<p>Will Blyth (<i>remotely</i>), Department for International Development (DfID), UK</p> <ul style="list-style-type: none"> Building a community of support agencies and the Round Table process
	<p>Thomas Alfstad, Adviser for Sustainable Development Strategies, UNDESA</p> <ul style="list-style-type: none"> Building communities in country
	<p>Franziska Bock, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), Germany</p> <ul style="list-style-type: none"> Sustainable partnerships: challenges, costs and benefits

	<i>Discussion</i>
11:10 - 12:10	<p>An environment that enables a community of practitioners for evidence-based policy making? Chair: Holger Rogner - Director OpTIMUS community of practice</p>
	<p>Silvia Francioso, global association for the off-grid solar energy industry (GOGLA)</p> <ul style="list-style-type: none"> • A view of industry: global association for the off-grid solar energy industry
	<p>Taco Niet, Simon Fraser University (SFU), Canada</p> <ul style="list-style-type: none"> • The challenges of where to start - setting up an energy planning unit
	<p>Bertrand Ohene Asante, Ministry of Energy Ghana</p> <ul style="list-style-type: none"> • A view of a Government: Ministry of Energy Ghana
	<p>Ryan Hogarth, Oxford Policy Management</p> <ul style="list-style-type: none"> • EEG: A Research Program to Develop Knowledge for Development
	<p>Fadiel Ahjum, University of Cape Town, South Africa</p> <ul style="list-style-type: none"> • A view of a Southern University: University of Cape Town
	<p>Franziska Bock, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)</p> <ul style="list-style-type: none"> • A view of a Support Agency: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)
12:10 - 12:20	<p>Closing remarks and follow up actions Chair: Anjana Das, VITO, Belgium</p>
5'	<p>Adrian Tompkins, Research Scientist, Earth System Physics, International Center for Theoretical Physics</p>
5'	<p>Chiara Rogate, , Energy Specialist, World Bank Group, Energy Sector Management Assistance Program</p>
5'	<p>Mark Howells, Director and Professor: division of Energy Systems Analysis, Royal Institute of Technology</p>